MOTHERBOARDS

B550 GAMING WIFI

WIN THE COMPETITION

SPECIFICATIONS

Model Name	B550 GAMING WIFI
CPU Support	Supports AMD Ryzen™ 5000 Series, 5000 G-Series, 4000 G-Series, and 3000 Series Processors
CPU Socket	AMD Socket AM4
Chipset	AMD B550 Chipset
Expansion slot	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x4 slot, 1x PCIe 3.0 x1 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.2 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-4400+ MHz (OC)
Storage	1 x M.2 Gen4 x4 64Gbps slot, 1 x M.2 Gen3 x4 32Gbps slot, 6 x SATA 6Gbps ports
USB ports	2 x USB 10Gbps (1 Type-A + 1 Type-C) 5 x USB 5Gbps (4 Type-A + 1 Type-C) 8 x USB 2.0
LAN	Realtek® RTL8111H Gigabit LAN
Wireless / BT	Wi-Fi 5 Solution, Bluetooth 5.0
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.

Lightning Gen4 Solution

The latest Gen4 PCI-E and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.

M.2 Shield FROZR

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.

Flash BIOS Button

Simply use a USB key to flash any BIOS within seconds, without installing a CPU, memory or graphics card.

Frozr AI Cooling

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.

Core Boost

Premium layout and optimized power design ensure better performance.

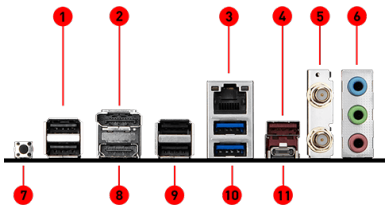
DDR4 Boost

Advanced technology to deliver pure data signals for the best gaming performance and stability.

Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

CONNECTIONS



1. USB 2.0
2. Display Port
3. 1G LAN
4. USB 10Gbps (Type-A)
5. Wi-Fi / Bluetooth
6. Audio Connectors
7. Flash BIOS Button
8. HDMI™
9. USB 2.0
10. USB 5Gbps (Type-A)
11. USB 10Gbps (Type-C)

Generated 2026-06-04, check for the latest version www.msi.com/datasheet. The information provided in this document is intended for informational purposes only and is subject to change without notice.

© 2026 Micro-Star Int'l Co.Ltd. MSI is a registered trademark of Micro-Star Int'l Co.Ltd. All rights reserved.